Contents of Volume 22

Number 1, July/August 1991

Review

Role of kinins in airway diseases
S.G. Farmer (U.S.A.) 1

High amounts of β-endorphin in peripheral blood mononuclear cells from HANE patients
R. Perricone, A.E. Panera, P. Sacerdote, C. Moretti, N. Pasetto, C. de Carolis, G. de Sanctis and L. Fontana (Italy) 21

Transcriptional changes in macrophage TNF-α expression following dimethylnitrosamine exposure in vivo
J.F. Lockwood, M.J. Myers, M.S. Rutherford and L.B. Schook (U.S.A.) 27

Effects of the ether phospholipid AMG-PC on mast cells are similar to that of the ether lipid AMG but different from that of the analogue hexadecylphosphocholine
N. Grosman (Denmark) 39

Analysis of retinoid-mediated immunosuppression in vivo. Effects of Ro23-6457 on cellular allo-immune responses
C.G. Orosz, N.E. Zinn, D.K. Bishop, D.L. Leppink, D. Faherty and R.M. Ferguson (U.S.A.) 49

Substance P-induced histamine release from rat peritoneal mast cells and its inhibition by antiallergic agents and calmodulin inhibitors
M. Mio, K. Izushi and K. Tasaka (Japan) 59

Announcements 67

Number 2, September/October 1991

Immunomodulation by 9-amino-1,2,3,4-tetrahydroacridine (THA): 1. Down-regulation of natural cell-mediated cytotoxicity in vitro
R. Krishnaraj (U.S.A.) 69

Ganglioside (GM_1)-treated T cells shed CD4
W.J. Morrison, H. Offner and A.A. Vandenbark (U.S.A.) 77

Does verapamil act as an immunomodulatory drug in vivo?
A.S. Maisel, D. Murray, S. Polizzi, H.J. Motulsky, O.-E. Brodde, L.J.H. van Tits and M.C. Michel (U.S.A., F.R.G.) 85

^{3}H-Spiperone labels sigma receptors, not dopamine D_2 receptors, in rat and human lymphocytes
T. Coccini, L. Manzo and L.G. Costa (Italy) 93

Human mononuclear cell chemiluminescence and interleukin-1 release induced by *Staphylococcus aureus* protein A
U.B. Olsen (Denmark) 107

Epithelial modulation of thromboxane A_2 and PAF involvement in IgE- and IgG-mediated guinea pig anaphylaxis
C. Bertrand, E. Tschirhart and Y. Landry (France) 115

Resistance of C57Bl/6 mice to immunosuppressive effects of aflatoxin B_1 and relationship with neuroendocrine mechanisms
Y. Hatori, R.P. Sharma and R.P. Warren (U.S.A.) 127

Book Review 137

Number 3, November/December 1991

Development, physicochemical characterization and preclinical efficacy evaluation of a water soluble glucan sulfate derived from *Saccharomyces cerevisiae*
D.L. Williams, H.A. Pretus, R.B. McNamee, E.L. Jones, H.E. Ensley, I.W. Browder and N.R. Di Luzio (U.S.A.) 139

Propranolol treatment affects parameters of human immunity
A.S. Maisel, D. Murray, M. Lotz, A. Rearden, M. Irwin and M.C. Michel (U.S.A.) 157

Immune response to the Lyme spirochete *Borrelia burgdorferi* affected by ethanol consumption
C.S. Pavia, S. Bittker and D. Cooper (U.S.A.) 165

Effect of high doses of morphine on Con-A induced lymphokine production in vitro
J.J. Jessop and M.S. Taplits (U.S.A.) 175

Benzodiazepines inhibit neutrophil chemotaxis and superoxide production in a stimulus dependent manner; PK-11195 antagonizes these effects
M. Finnerty, T.J. Marczynski, H.J. Amirault, M. Urbancic and B.R. Andersen (U.S.A.) 185

β-Adrenoceptor distribution in murine lymphoid cell lines
G.A. Cremaschi, P. Fisher and F. Boege (Argentina, F.R.G.) 195

Inhibition of experimental allergic encephalomyelitis by lithium chloride: specific effect or non-specific stress?
S. Levine and A. Saltzman (U.S.A.) 207

Book Review 215

Announcement 216

Contents of Volume 22 217

Author Index 219

Subject Index 221